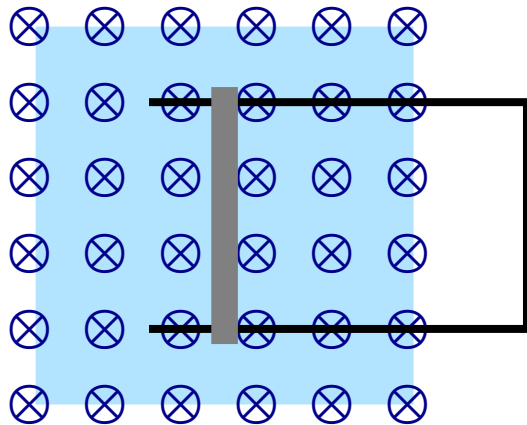


Question 1

A loop is placed in a region of uniform magnetic field as illustrated. The left edge of the loop can slide, maintaining contact with the rest of the loop.

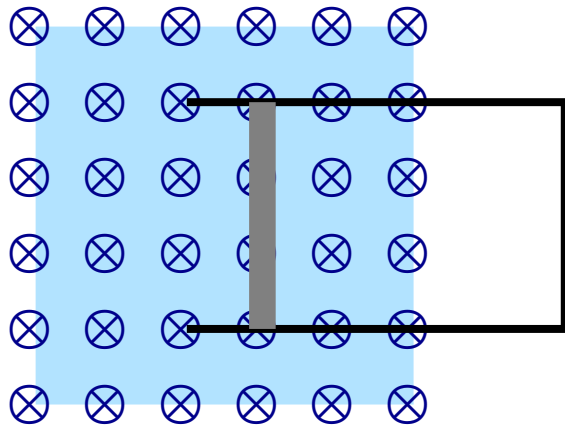


At the instant depicted in the illustration the left edge is dragged (by hand) to the right. Which of the following is true while the sliding edge is in the field?

1. Positive charge is forced to the top of the sliding edge, negative to the bottom.
2. Positive charge is forced to the bottom of the sliding edge, negative to the top.
3. Positive charge is forced to the left of the sliding edge, negative to the right.
4. Positive charge is forced to the right of the sliding edge, negative to the left.

Question 2

A loop is placed in a region of uniform magnetic field as illustrated. The left edge of the loop can slide, maintaining contact with the rest of the loop.

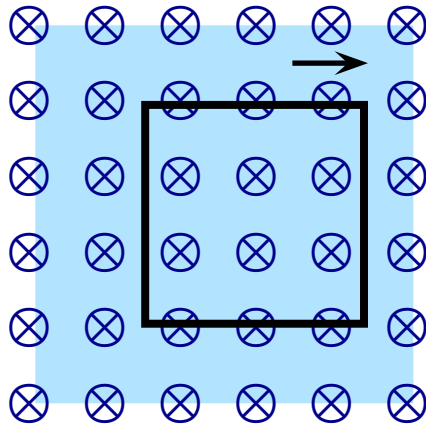


At the instant depicted in the illustration the left edge is dragged (by hand) to the left. Which of the following is true about the current in the loop:

1. Counter-clockwise
2. Clockwise
3. Zero
4. None of the above/not enough info.

Question 3

A loop passes through a region of constant magnetic field at a constant speed as illustrated.



At the instant depicted in the illustration the current in the loop is:

1. Counter-clockwise
2. Clockwise
3. Zero
4. None of the above/not enough info.